

DEPARTMENT OF ENERGY

NATIONAL ENERGY TECHNOLOGY LABORATORY

NOTICE OF AVAILABILITY OF A FINANCIAL ASSISTANCE ANNOUNCEMENT

AGENCY: National Energy Technology Laboratory (NETL), Department of Energy
(DOE)

ACTION: Notice of Availability of a Funding Opportunity Announcement for Round 3
of the Clean Coal Power Initiative

DATE: May 23, 2007

SUMMARY: Notice is hereby given of the intent to issue Funding Opportunity
Announcement (FOA) Number DE-PS26-07NT43181, "Clean Coal Power Initiative." A
Draft FOA, is currently being developed, and is expected to be released for public
comment on or about June 25, 2007. Following a comment period of approximately 31
days a Final FOA is expected to be issued on or about August 24, 2007. Industry must
match (or exceed) the government cost share for every project. DOE anticipates making
selections leading to multiple awards for demonstration projects proffered against this
FOA in August 2008.

Once released, on or about June 25, 2007, the Draft FOA will be available at Grants.gov
(<http://www.grants.gov>) and the DOE's Industry Interactive Procurement System (IIPS)
(<http://e-center.doe.gov>). Interested parties are encouraged to register at these web sites
to receive notification of the release of the Draft and Final versions of the FOA
documents. Instructions for registration are found at the IIPS and Grants.gov websites
by selecting "Register" and "Get Registered", respectively.

Responding to the Final FOA, applications must be prepared and submitted in accordance with the instructions and forms contained in the Final FOA and submitted to Grants.gov. Applications will be due on or about January 22, 2008. The final announcement document will allow for requests for explanation and/or interpretation.

Applications cannot be submitted through Grants.gov unless the applicant is registered. The registration process allowing interested parties to apply can take up to 21 days. The Draft and Final FOA documents will only be made available in Grants.gov and IIPS. No hard (paper) copies of the announcement and related documents will be made available. Telephone requests, written requests, e-mail requests, or facsimile requests for a copy of the Draft or Final FOA package will not be accepted and/or honored. Applicants can obtain access to the announcement from the addresses above or through DOE/NETL's website at <http://www.netl.doe.gov/business>.

Upon publication of this notice, a comment and response period with all interested parties and potential partners is open, including a pre-announcement workshop to be held on or about July 10, 2007 in the Pittsburgh metropolitan area, to solicit public comments and answer questions regarding the Clean Coal Power Initiative announcement. All questions and comments regarding the content of this notice and the Draft FOA should be submitted through the "Submit Question" feature of IIPS at <http://e-center.doe.gov>. To submit a question, locate the announcement on IIPS select the "Submit Question" button at the top, and enter the required information. DOE will attempt to respond to questions within 5 business days, unless similar questions and answers have already been posted on

the website. You will receive an electronic notification that your question has been answered. Responses to questions may be viewed through the “View Questions” feature. If no questions have been answered, a statement to that effect will appear. Interested parties should periodically check “View Questions” for new questions and answers. Questions regarding how to submit questions or view responses can be e-mailed to the IIPS Help Desk at helpdesk@pr.doe.gov or by calling 1 (800) 683-0751. The period for public comment will be closed on July 26, 2007.

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SUPPLEMENTAL INFORMATION: The Clean Coal Power Initiative (CCPI) is a cost-shared public/private partnership to demonstrate technologies capable of addressing air emissions concerns associated with coal use while providing domestically secure, cost-efficient electricity generation, including control technologies that permit reasonable-cost compliance with emerging regulations. The CCPI Program is intended to help advanced technologies overcome technical and cost risks as they progress to the point of commercial readiness; accelerate the development of new coal technologies for power and hydrogen production; contribute to establishing the feasibility of integrating carbon capture and sequestration with power production; and facilitate the movement of emerging technologies into the marketplace. This CCPI announcement is specifically

targeting advanced coal-based systems and subsystems that capture or separate carbon dioxide for sequestration or beneficial reuse. The announcement is also open to any coal-based advanced carbon capture technologies that result in co-benefits with respect to efficiency, environmental, or economic improvements potentially capable of achieving CCPI coal technology performance levels specified in the Energy Policy Act of 2005, Title IV, Subtitle A, Section 402, and the Report to Congress on “Technical Milestones for 2020 Goals and Project Status for the Clean Coal Power Initiative”, August 8, 2006. DOE is interested in demonstrating advanced technologies not currently deployed in the marketplace, as opposed to new applications or marginal improvements of existing technologies, and more specifically, technologies capable of producing electricity in any combination with heat, fuels, chemicals, or hydrogen. Prospective projects must, however, ensure that coal is used for at least 75% of the fuel energy input to the process and that electricity is at least 50% of the energy-equivalent output from the technology demonstration.

DOE is currently developing large scale field tests of geologic carbon sequestration, on the order of 1 million metric tons of CO₂ per year. With the publication of this Notice of Intent, DOE is interested in industry input, through the “Submit Question” feature of IIPS, on the best way to structure the requirements of the Funding Opportunity Announcement to allow demonstration projects under CCPI to integrate with the sequestration field tests, which may already be fully operational by the time the CCPI projects come on-line. A project performer could, for example, attempt to integrate a CCPI project with a sequestration field test to supply lower-cost CO₂, and reduce the cost

of either or both projects. This would require careful cooperation or integration of the management of both projects.